

1981

Curricular Report No. 1980-81-10 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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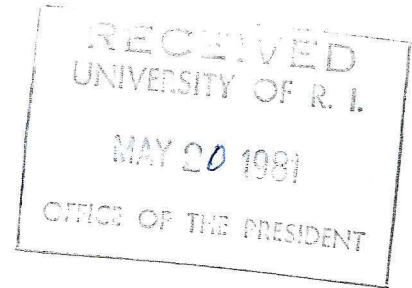
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UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE
BILL

Adopted by the Faculty Senate



TO: President Frank Newman

FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled Curricular Report No. 1980-81-10 from the Graduate Council to the Faculty Senate

is forwarded for your consideration.

2. The original and two copies for your use are included.
3. This BILL was adopted by vote of the Faculty Senate on May 14, 1981 (date).
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.
5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on May 15, 1981 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

May 15, 1981

(date)

Alvin K. Swonger
Chairperson of the Faculty Senate

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

1. Returned.
2. a. Approved ✓.
- b. Approved subject to final approval by Board of Regents _____.
- c. Disapproved _____.

5/21/81
(date)

F. Newman
President

2) CHANGE: Prerequisite for GEL 475 to "Pre: 103 or 105 and 106.

B. Curricular Matters Which Require Confirmation by the Faculty Senate

1. College of Arts and Sciences

Department of Psychology

ADD: PSY 454 Group Processes (1,3) A conceptual and empirical analysis of small group behavior. The study of group dynamics will include such topic areas as: exchange theory, social facilitation, group problem-solving and decision-making, power, leadership, and communication networks. (Lec. 3) Pre: 113, 300, 435 and/or permission of Instructor. Cohen

2. College of Engineering

Department of Industrial Engineering

*ADD: The following new courses:

- a) IDE 441 Metal Casting (1,2) An introduction to the field of metal casting. Areas covered include sand casting, investment casting, die casting, permanent mold casting, risering and gating, alloys, solidification phenomena, and casting design. (Lec. 1, Lab. 3) Pre: 240, CHE 333 or 437. Not for Graduate Credit. Gardiner
- b) IDE 442 Manufacturing Engineering (1,3) Engineering analyses of unit processes common to manufacturing. Bulk deformation, sheet forming, machining, and joining processes. Topics in processing control systems such as numerical control (NC and CNC) and computer-aided-manufacturing (CAM). (Lec. 2, Lab. 3) Pre: 240, MCE 263, CHE 333 or 437. Not for Graduate Credit. Odrey

ADDENDUM

On May 4, 1981, the Faculty Senate Curricular Affairs Committee considered the following matter now presented to the Faculty Senate for information:

The Curricular Affairs Committee recognizes the academic value of the Speech Pathology and Audiology Program and encourages efforts to preserve it.

The Curricular Affairs Committee urges all parties to cooperate in seeking a resolution as soon as possible of the conflict over the status of the program.

A recommendation of the C.A.C. will be forthcoming after receipt of a consultant's report and financial information.

* No action by Graduate Council required. Not for Graduate Credit.

UNIVERSITY OF RHODE ISLAND
The Graduate School

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Report No. 1980-81-10

At its Meeting No. 207 held April 24, 1981, the Graduate Council considered and approved the following matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information.

A. College of Business Administration

1. Department of Marketing
a. Temporary Course

MKT 601X Managerial Marketing I,4
Analysis of marketing problems and determination of marketing policies in product development, promotion, pricing, channel selection; legal aspects. (Lec 4)
Pre: Permission of department. Lysonski

II. Matters Requiring Confirmation by the Faculty Senate.

A. Graduate School of Oceanography

1. Deletion

OCG(REN) 621 The Estuary and Coastal Zone

B. College of Human Science and Services

1. Department of Physical Education, Health and Recreation
a. Add (New)

PED 531 Advanced Experimental Techniques in Physical Education II,3
In-depth analysis of research studies in the field. Advanced research technique studied and applied to problems in physical education. (Lec 3)
Pre: PED 530 or permission of instructor. Sonstroem

PED 561 Science in Sport and Exercise I or II,3
Special lectures, readings, library research on topics of current research interest relating to science in sport and exercise. (Lec 3) Pre: Graduate standing or permission of instructor. Rivera

PED 562 Advanced Exercise Physiology I or II,3
Advanced study of the physiological factors limiting physical performance and work capacity, with emphasis on the effects of physical conditioning on health and fitness. (Lec 3) Pre: ZOO 343 or permission of the instructor. Rivera

PED 563 Fitness Programs for the Middle-Aged and Elderly I or II,3
Provides the professional physical educator with an in-depth knowledge of scientific principles applicable to the administration of adult physical fitness programs. Client characteristics, screening, program supervision, liability, recruitment and adherence. (Lec 3) Pre: Graduate standing or permission of instructor. Rivera/Sonstroem

**B. College of Arts + Sciences
New England Studies
Change description
FOR NES 600 by deleting "concurrent enrollment in 400"**

D. College of Engineering

Department of Industrial Engineering

a. ADD: The following courses:

- 1) IDE 240 Manufacturing Processes (11,2) Introduction to manufacturing processes. Metrological systems various unit processes in manufacturing and numerical control of machine tools. Processes, measurement, accuracy, and precision as they relate to deformation, structure, and state of material. (Lec. 1, Lab. 3) Pre: CHM 101, PHY 214, credit or registration in CVE 220. Odrey
- 2) IDE 325 Computer Solution in Industrial Engineering Problems (11,3) Problems in mathematical programming, inventory and production systems, networks, and other large scale systems where computer is needed to reach a solution. Numerical methods. Introduction to micro-processor. (Lec. 3) Pre: CSC 201, IDE 411, 432. Shao

b. CHANGE: Level, number, title, description and prerequisite for IDE 221:

IDE 320 Industrial Engineering II (1,3) Engineering economics. Quantitative modeling in engineering economics. Risk and uncertainty. Statistical decision analysis and operations research techniques in engineering economics. (Lec. 3) Pre: CSC 201, credit or registration in IDE 411, 432. Staff

c. CHANGE: Credits, method of instruction and description for IDE 220:

IDE 220 Industrial Engineering I (11,3) Introduction to industrial engineering. Elementary topics in production control, forecasting, networks, linear programming, inventory theory. Use of computer for industrial systems problems. (Lec. 3) Pre: MTH 142, credit or registration in CSC 201. Staff

d. CHANGE: Curriculum for B.S. in Industrial Engineering:

First Year

First Semester: 17 credits
CHM 101, 102 (4), EGR 102 (1), MTH 141 (3), CSC 201 (3),
ECN 125 (3), Gen. Ed. elective (3).

Second Semester: 16 credits
PHY 213, 285 (4), MCE 162 (3), MTH 142 (3), Gen. Ed.
electives (6).

Second Year

First Semester: 16 credits
ECN 126 (3), MTH 243 (3), MCE 263 (3), PHY 214, 286 (4),
Gen. Ed. elective (3).

Second Semester: 17 credits
IDE 220 (3), MTH 215 (3), CVE 220 (3), ACC 201 (3),
ELE 220 (3), IDE 240 (2).

Third Year

First Semester: 18 credits
IDE 411 (3), IDE 432 (3), MCE 341 (3), CHE 333 or 437 (3),
MTH 361 (3), IDE 320 (3).

Second Semester: 17 credits
IDE 412 (3), 433 (3), MCE 354 (3), IDE 441 (2), IDE 325
(3), Gen. Ed. elective (3).

Fourth Year

First Semester: 18 credits
IDE 350 (3), PHY 341 (3), IDE 442 (3), Prof. elective (3),
free elective (3), Gen. Ed. elective (3).

Second Semester: 15 credits
IDE 351 (3), *quant. or matls. elective (3), prof.
elective (3), free elective (3), Gen. Ed. elective (3).

SECTION III

Joint report of the Curricular Affairs Committee and Graduate Council on 400-level courses.

At the April 27, 1981 meeting of the Curricular Affairs Committee and the April 24, 1981 meeting of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate:

A. Informational Matters

College of Arts and Sciences

Department of Geology

- 1) CHANGE: Prerequisite for GEL 410 to "Pre: 103 and 104 or 105 and 106 or permission of instructor."

*One course must be selected from the following list of courses:

IDE 500, 513, 514, 525, 533, 535, 540, 545, 550, 555, MTH 335, 362. Any 400-level MTH course except MTH 451, 452, 465.

IDE 517, 541. ELE 331, 582. OCE 534. CHE 532, 533, 537, 539, 573. MCE 426, 550. PHY 455.

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Report No. 1980-81-10

PED 564 Physiology of Aging I or II,3
Library searches, reports and discussion of topics of current research on the physiology of aging. Subject matter adapted to meet interests of staff and students. (Lec 3) Pre: ZOO 242 or permission of instructor. Rivera/Sonstroem

Add (new) Specialization - Exercise Science

Required courses (15-18 credits): PED 510; 530; 578 or 581; PED 561, 562, or 585; PED 591 or 599.
Recommended courses (12-15 credits): PED 531, 564, 595, 561, 562, 563.

Rationale: With the addition of exercise physiology to the Department of Physical Education, Health and Recreation and with the implementation of the Human Performance Laboratory, graduate study in the area is a natural extension. There are very few programs in the Northeast which are capable of offering course work and comparable research-related activity to U.R.I.

b. Changes in M.S. in Physical Education degree requirements

from: Thesis (30 credit hours) and PED 510, 520, 530, and 599; for non-thesis option (33 credit hours) PED 510, 520, 530, and 591.

to: Thesis (30 credit hours) and PED 510, 530, 599; three credits from PED 578 or 581, and three credits from PED 561, 562, or 585; for Non-thesis option (33 credit hours) and PED 510, 530, 591; three credits from PED 578 or 581, and three credits from PED 561, 562, or 585 and written master's comprehensive.

C. College of Arts and Sciences

1. Department of Physics

a. Changes

PHY 520: Classical Dynamical Theory - prerequisite changed to - PHY 510 or concurrent registration in 510.

PHY 525: Statistical Physics - prerequisite changed to - PHY 420 or equivalent.

PHY 650,651: Solid State Physics - prerequisite changed to - PHY 455 or equivalent and PHY 570

2. Department of Psychology

a. Add (New)

PSY 625 Seminar: Social Psychology II,3
Attention to a major area in contemporary social psychology. Empirical studies will be analyzed for their relevance to theoretical and applied issues; students will design an original investigation. (Sem.) Pre: Graduate standing or permission of the instructor. Can be repeated twice with a change of topic. A. Lott/ B. Lott/ J. Cohen/J. Stevenson

3. Department of Geography and Marine Affairs

a. Deletion of the "Applied Meteorology and Climatology" specializations from the M.S. program in Geography.

b. Change

GEG 512 to GMA 511

UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE

UNIVERSITY COLLEGE AND GENERAL EDUCATION COMMITTEE REPORT #80-81-5

April 28, 1981

The University College and General Education Committee recommends the assignment of the following courses into the new General Education divisions:

FINE ARTS AND LITERATURE: ATS 101X (HPR)

FOREIGN LANGUAGE AND CULTURE: Modern British Civilization, ENG 252, HIS 123; The Renaissance in Europe, ART 365, HIS 305, ITL 391, SPA 391

LETTERS: SPE 200

NATURAL SCIENCES: ATS 103X, ZOO 286

SOCIAL SCIENCES: ATS 102X (HPR), HPR 101AX*, SPE 220

Members of the Committee:

Arts and Sciences: Richard Roughton, Chairperson
Arts and Sciences: John Stevenson
Arts and Sciences: Kerwin Hyland
Business Administration: Blair Lord
Engineering: Donald Gray
Human Science and Services: Louise MacKenzie
Nursing: Ruth Waldman, Vice Chairperson
Pharmacy: Bruce Birmingham
Resource Development: Mabel Goshdigan
Academic Affairs Representative: M. Beverly Swan
Student Affairs Representative: Margaret Scott
D.U.E. Representative: Ann Cremin Byrne
Dean of University College: Diane Strommer
Coordinator, Faculty Senate: Sheila Black Grubman

*Pending approval of "The American People and the Direction of Public Policy" by the CAC.

Annual Report, 1980-81
Honors Program and Visiting Scholars Committee

Introduction

During the academic year now coming to a close we have devoted our efforts almost entirely to implementing the expanded University Honors Program. The new program, in our judgement, has been uniformly successful. The development effort has proceeded according to the implementation schedule presented when the enabling legislation was before the Faculty Senate, and the students and faculty participants in the program have been enthusiastic about the new course offerings. This report will consist of our account of what has taken place. We do not have recommendations for action.

Funding

To facilitate the development of the new program, Vice President Ferrante authorized a half-time secretary, the committee's first staff support, and granted \$41,661 in operating and personnel funds. The greater part of these funds, \$32,670, was allocated for the operation of the Honors Program.¹ \$8,991 was set aside to support the Visiting Scholars Program. We wish to acknowledge these resources, for they have been essential to the development of the program.

Honors Program

The expanded program made honors courses available for the first time to freshman and sophomore students. In the 1st year these offerings consisted of advanced sections of existing courses, experimental courses, and a new course created expressly for the Honors Program. There were six of these courses in all.² In the 2nd year students participated in the rethought and restructured Honors Colloquium. This Colloquium, entitled "In the Beginning: A Kaleidoscopic View of Man and Nature's Evolution", was coordinated by Professor William Rosen; it examined contemporary scientific theories about the evolution of life and the universe.³

¹Of this total, \$17,891 was budgeted for the Honors Colloquium though a somewhat smaller amount has actually been spent on it.

²In the Autumn, Analytical Thinking Skills in the Humanities (W. Barker and R. Trivelli), Psychology 113: General Psychology (A. Lott) and Freshmen Seminar in History: European Revolutions (K. Schach-Cook); and in the Spring Analytical Thinking Skills in the Social Sciences (C. B. Peter and J. Greene), English 243: The American Short Story (L. Cuddy) and Honors Lab, Zoology 111: General Zoology (F. Heppner).

³Professor Rosen has put together a collection of student papers submitted in the Autumn Semester. Copies of this publication may be examined at the Honors Center or in the University Library.

The 3rd year of the program was also new, both for faculty and student participants. The honors tutorials provided opportunities for teachers and small groups of students to explore substance within areas of concentration. There were four tutorials in all, one extending through the year and the others running for a semester only.⁴

In accordance with the program design, the 4th year of the new program was not implemented this year. In the coming year eligible students will be able to undertake year long honors projects within areas of concentration.

In all, there were 204 course registrations in the Honors Program during the year: 66 in 1st Year courses, 110 in the 2nd Year colloquium, 27 in 3rd Year tutorials, and one student began a 4th Year independent research project. In addition, twenty faculty members taught in the program, either offering separate courses or lecturing in the Colloquium.

Visiting Scholars

Throughout the year awards were made to faculty members to bring visiting scholars to the University for academic programs. Following practice, these awards were announced in May and September for the Autumn Semester. In the Spring, however, we varied the procedure, considering requests on a rolling basis, in order to learn whether this change would better serve the interests of the University community.

In all, we received 61 requests, a significant number of which sought support for more than one program, and made 64 separate awards. The number of awards was increased by somewhat more than 25% over the previous year. As regards distribution, the requests came mainly from faculty members in the College of Arts and Sciences, Resource Development and Human Sciences and Services and from the University Chaplains. The average size of the awards, \$165,⁵ was slightly less than in 1979-80. In every instance except one, however, the faculty member who received the award was able to present the proposed program.

We were especially pleased by the large number of instances in which cooperative sponsorship brought together representatives of different departments and by the great diversity among the scholars who came to URI during the year. When to the total of sixty-four visiting scholars is added the lecturers from other institutions who took part in the Honors Colloquium, the resources we administer helped support more than 80 public lecture and academic programs.

⁴The "Honors Tutorial in Psychology: Individuals Changing Problem Behavior" (J. Prochaska) ran through the year. The semester courses were: "Honors Tutorial in Speech: The Poetry of Drama" (W. Caldwell), "Honors Tutorial in Nursing: Wholistic Health Care" (R. Waldman) and "Honors Tutorial in Political Science: Contemporary American Political Problems and Issues" (N. Zucker)

⁵The amount available for visiting scholars was increased by \$1500 during the spring by shifting funds allocated for but not spent on the Colloquium.